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10/555050 1 PTO/SB/08A (07-05)

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STATEMENT BY APPLICANT	First Named Inventor	Stephen Bailey	
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SHEET 1 of 2	Attorney Docket No.	JMYS-137US	

			U.S. PATENT D	OCUMENTS		
Examiner	Cite	Document Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, When Relevant Passages or Relevan	
Initials*	No.1			Figures Appear		
/A.S./	1	US-2002/0068843-A1	06-06-2002	Dai et al.		
	2	US-5,063,194	11-05-1991	Broecker et al.		
	3	US-4,762,956	08-09-1988	Liu et al.		
	4	US-4,404,124	09-13-1983	Johnson et al.		
	5	US-4,126,645	11-21-1978	Collins		
$\top$	6	US-4,001,344	01-04-1977	Hoffmann et al.		
	7	US-3,821,323	06-28-1974	Schulze et al.		
$\neg$	8	US-3,549,720	12-22-1970	Wright et al.		
	9	US-3,116,342	12-31-1963	Robinson et al.		
	10	US-3,113,980	12-10-1963	Robinson		
	11	US-3,068,303	12-11-1962	Pattison		
1/	12	US-2,946,829	07-26-1960	Likins	V. 1	
V	13	US-2,909,578	10-20-1959	Andersen	6 .	
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FOREIGN PATENT DOCUMENTS							
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		Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (If known)	Publication Date Applicant of Cited (MM-DD-YYYY) Document		Passages or Relevant Figures Appear	T6	
/AS/	14	EP-0 124 744-B1	11-14-1984	EC Erdölchemie GmbH			
/A.S./	15	GB-811,820	04-15-1959	Engelh Inc.	ard Industries,		
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SHEET 2 of 2

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NON-PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T <sup>2</sup>	
/A.S./	16	HAYAO IMAMURA et al., "Hydrogenation behavior of propyne on supported Eu-Pd and Yb-Pd bimetallic catalysts with anomalous hydrogen uptake," <i>Journal of Alloys and Compounds</i> , 303-304 (2000), pp. 514-519.		
/A.S./	17	JUNG H. KANG et al., "Selective hydrogenation of acetylene on Pd/SiO <sub>2</sub> catalysts promoted with Ti, Nb and Ce oxides," <i>Catalysis Today</i> , 63 (2000), pp. 183-188.		
/A.S./	18	ABDELHAMID BENSALEM et al., "Palladium-Ceria Catalysts: Metal-Support Interactions and Reactivity of Palladium in Selective Hydrogenation of But-1-yne," React. Kinet. Catal. Lett., Vol. 60, No. 1, 1997, pp. 71-77.		
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